



ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) U.S. ARMY GARRISON MANNHEIM

EMS MANUAL

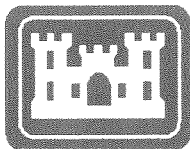
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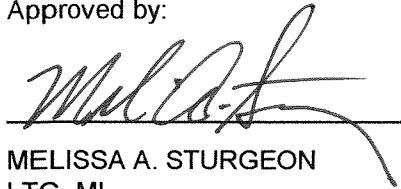
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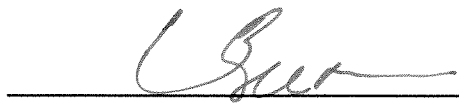


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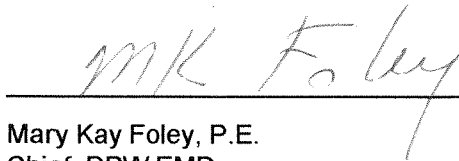


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Date

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2/9/06

Date

USAG MANNHEIM EMS MANUAL

RECORD OF REVISIONS

This EMS manual needs to be reviewed annually or after major change of mission or activities at the USAG Mannheim. To fulfill this requirement, the following table is provided for tracking revisions to this manual.

Rev. No.	Date	Name and Title	Signature	Pages Affected
00	31 Jan 06	Jessika Schoplick	J. Schoplick	
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LIST OF ACRONYMS AND ABBREVIATIONS

AMF	Artificial Mineral Fibers
AR	Army Regulation
BimSchG	Bundesimmissionsschutzgesetz
CFT	Cross Functional Team
DA	Department of the Army
DoD	Department of Defense
DPW	Directorate of Public Works
EMD	Environmental Management Division
EMS	Environmental Management System
EMSMR	EMS Management Representative
EO	Executive Order
EPAR	Environmental Program Assessment Report
EQCC	Environmental Quality Control Committee
EQR	Environmental Quality Report
FGS-G	Final Governing Standards for Germany
HN	Host Nation
ISO	International Organization for Standardization
LBP	Lead Based Paint
LMI	Logistics Management Institute
M&R	Maintenance & Repair
MoM	Measure of Merit
OEBGD	Overseas Environmental Baseline Guidance Document
P2	Pollution Prevention
PCB	Polychlorinated Biphenyls
POC	Point of Contact
SOP	Standing Operating Procedure
USAG	U.S. Army Garrison



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Appendix 1 EMS Documentation

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1 AUTHORIZATION

The Commander of the United States Army Garrison (USAG) Mannheim has overall responsibility for the Environmental Management System (EMS) at the Mannheim Military Community. The Director, Public Works provides overall supervision and direction for the environmental program at the USAG Mannheim. The Environmental Management Division within the Directorate of Public Works is the installation environmental office and is responsible for day-to-day management of the Mannheim environmental program.

2 SCOPE

This manual describes the EMS at the USAG Mannheim.

This manual applies to the activities, services, operations, facilities and all personnel residing within the Mannheim Military Community.

The text of this manual and Appendix 1 contain cross-references to the appropriate EMS documents that can be accessed directly by clicking on the hyperlinks in the electronic file. The hardcopy of this manual contains all EMS procedures as an appendix. Please note that only the electronic version of this manual is a controlled document.

3 REFERENCES

- 3.1 Executive Order (EO) 13148 "Greening the Government through Leadership in Environmental Management" was signed by the President of the United States on 22 April 2000. Its intent is to achieve improved environmental performance by focusing on Environmental Management Systems and Pollution Prevention;
- 3.2 Department of the Army (DA) memorandum (13 July 2001) identifies ISO 14001 as the standard to be adopted for EMS development and defines metrics for its implementation;
- 3.3 ISO 14001:2004 is an international voluntary standard issued by the International Organization for Standardization describing specific requirements for an EMS.
- 3.4 Final Governing Standards for Germany (FGS-G), (January 2003);
- 3.5 U.S. Army EMS Implementers Guide (Version 2.1, March 2005), developed by the Logistics Management Institute (LMI);
- 3.6 Army Regulation (AR) 200-1 provides an overview of environmental programs and requirements.



4 DEFINITIONS

For the purposes of this system, the following definitions, according to ISO 14001:2004 apply:

Continual Improvement	Recurring process of enhancing the environmental management system in order to achieve improvements in overall environmental performance consistent with the organization's environmental policy
Corrective Action	Action to eliminate the cause of a detected nonconformity
Document	Information and its supporting medium
Environment	Surroundings in which an organization operates, including air, water, land, natural resources, flora, fauna, humans, and their interrelation
Environmental Aspect	Element of an organization's activities, products or services that can interact with the environment
Environmental Impact	Any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's environmental aspects
Environmental Management System (EMS)	Part of an organization's management system used to develop and implement its environmental policy and manage its environmental aspects
Environmental Management System (EMS) Internal Audit	Systematic, independent and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which the environmental management system audit criteria set by the organization are fulfilled
Environmental Objective	Overall environmental goal, consistent with the environmental policy, that an organization sets itself to achieve
Environmental Performance	Measurable results of an organization's management of its environmental aspects
Environmental Policy	Overall intentions and direction of an organization related to its environmental performance as formally expressed by top management
Environmental Target	Detailed performance requirement, applicable to the organization or parts thereof, that arises from the environmental objectives and that needs to be set and met in order to achieve those objectives

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Interested Party	Person or group concerned with or affected by the environmental performance of an organization
Nonconformity	Non-fulfilment of a requirement
Organization	Company, corporation, firm, enterprise, authority or institution, or part or combination thereof, whether incorporated or not, public or private, that has its own functions and administration. This manual refers to the USAG Mannheim as the "Organization"
Preventive Action	Action to eliminate the cause of a potential nonconformity
Prevention of Pollution	Use of processes, practices, techniques, materials, products, services or energy to avoid, reduce or control (separately or in combination) the creation, emission or discharge of any type of pollutant or waste, in order to reduce adverse environmental impacts
Procedure	Specified way to carry out an activity or a process
Record	document stating results achieved or providing evidence of activities performed

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5 EMS REQUIREMENTS

5.1 ENVIRONMENTAL POLICY

The USAG Mannheim Environmental Policy is the statement on the environmental commitment of the Garrison. The Garrison Commander has defined and documented the environmental policy as stated below.



DEPARTMENT OF THE ARMY
UNITED STATES ARMY GARRISON MANNHEIM
UNIT 29901
APO AE 09086-9901

IMEU-MAN- PW

DEC 2 2 2005

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: US Army Garrison Mannheim Environmental Management System (EMS)
Policy Statement

This Memorandum is in Effect Until Superseded

1. **PURPOSE:** The USAG Mannheim's core activities include maintenance and repair of US Army real property, energy, utility management, refuse service, customer services and environmental program execution to enhance mission readiness. The USAG Mannheim's environmental objectives are to attain continuous environmental improvement, exceed FGS and US Army requirements for environmental compliance, and minimize pollution.

2. REFERENCES:

- a. Executive Order 13148, 21 Apr 00, subject: Greening the Government Through Leadership in Environmental Management.
- b. Memorandum DAIM-ED-C, 6 Aug 01, subject: New Installation Management Requirements.
- c. Memorandum HQ, USAREUR OCG, 10 Jul 03, subject: Environmental Stewardship.
- d. Memorandum IMA-Europe, 20 Aug 03, subject: Army Environmental Management System (EMS) Policy.

3. **APPLICABILITY:** This policy statement applies to all civilian and military personnel and all host and tenant organizations assigned to the Mannheim Military Community.

4. **POLICY FORMULATION:** The mission of the USAG Mannheim is to plan and execute base support operations, deployment support operations, force protection, promote good German-American relations, and systematically evolve to continually improve Soldier, civilian, and family well-being and readiness. Included in this mission is the development and management of the USAG Mannheim environmental programs necessary to protect and conserve the environment. In accomplishing our mission, we commit to:

- a. Continual improvement and prevention of pollution

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IMEU-MAN-PW
SUBJECT: USAG Mannheim Environmental Management System (EMS) Policy
Statement

b. Comply with relevant environmental legislation and regulations, and other requirements to which the USAG Mannheim subscribes. Ensure that all base activities are also in compliance.

c. Identify the significant environmental impacts and ensure they are considered when establishing objectives and targets for our environmental management program.

d. Integrate environmental requirements into our mission procedures and work practices through training, inspections, and other educational activities.

e. Cooperate with host nation agencies to further our common environment objectives.

f. Communicate and reinforce this policy throughout the USAG Mannheim.

g. Clean up contaminated sites as quickly as resources permit.

5. RESPONSIBILITIES: Environmental stewardship is the responsibility of all personnel assigned to the Garrison as well as tenants/organizations and residents. This environmental policy statement shall be available to all personnel at the installation and the public. Installation activities will:

a. Support initiatives to identify and maximize recycling, reduction and reuse opportunities, where they occur.

b. Provide adequate training to enable personnel and contractors to recognize the potential and actual environmental impacts of their activities.

c. Stay informed of industry advancements in alternative chemicals to reduce the use of hazardous materials in the workplace.

6. POC for this policy is DPW Environmental Management Division, DSN 381-8675/7699, email: mary.foley@us.army.mil.


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LTC, MI
Commanding

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Figure 1: Environmental Policy for the USAG Mannheim

The policy is reviewed, updated and communicated regularly as described in the Procedure for the Review, Maintenance and Communication of Environmental Policy.



5.2 ENVIRONMENTAL ASPECTS

A thorough understanding of the environmental aspects and impacts of the Garrison's activities, products and services is a prerequisite for successful environmental management. Environmental aspects were initially identified and evaluated for their significance in the initial EMS planning phase and entered into an Access database (Aspects register). On a periodic basis the aspects register is reviewed and updated following the procedure described in the Procedure for the Identification and Evaluation of Environmental Aspects and Impacts (EMS4.3.1). The significant environmental aspects provide the basis for input for setting the environmental objectives and targets and the subsequent development of environmental management programs.

5.3 LEGAL AND OTHER REQUIREMENTS

The Garrison's commitment to comply with all applicable environmental legislation and regulations is contained in the Environmental Policy. Generally, the Final Governing Standards for Germany (FGS-G) provide the federal and state legal framework for the activities within the Garrison that may affect the environment in any way. However, local / municipal level regulations and laws are not contained in the FGS and therefore need to be identified and adhered to. The Environmental Management Division maintains an inventory of legal and other requirements for the Garrison. This inventory is reviewed, updated and communicated as described in the procedure for the identification of legal and other requirements. The main sources for the identification of new or updated legal information are provided in Table 1.

Permits are required for certain facilities according to host nation law (e.g. Bundesimmissions-schutzgesetz BImSchG). An inventory of available permits is available in the Environmental Quality Report (EQR), maintained by the Environmental Division. The procedure for the availability of permits describes the procedure and responsibilities for the permitting process.

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Table 1: Internet Resources for the identification of legal requirements

Name of Site Host	Description	URL
US Requirements		
Installation Management Agency - Europe Region (IMA-E)	IMA-E publishes the latest version of the FGS on its environmental website.	https://144.170.200.183/environmental/default.htm
Official Department of the Army Publications and Forms	Comprehensive List of Army Regulations, Army Directives, HQDA Directives, DA memorandums. The "New Releases" page lists publications released over the last six months. Documents can be downloaded in pdf format.	http://www.army.mil/usapa/epubs/index.html
Defense Technical Information Center	Lists all DoD Directives, DoD Instructions and other DoD-issued regulations, can be downloaded in various file formats.	http://www.dtic.mil/whs/directives/
Library of Army in Europe (AE) Publications and Forms	Comprehensive list of AERs (Army in Europe Regulation, formerly URs) URs (USAREUR Regulations) and other Army in Europe guidance. Provides weekly updates of new releases. Online (html) or pdf versions available. Also provides DoD forms, a glossary of English and German military terms and abbreviations and links to NATO SOFA (English and German Version)	https://www.aeaim.hqusareur.army.mil/library/
Army in Europe Publishing System (AEPUBS)	Searchable database for Army in Europe publications.	https://aepubs.army.mil/ae/public/aepubs_main.asp
Defense Environmental Network Information Exchange	List of environmentally relevant Executive Orders	http://www.denix.osd.mil/denix/Public/Legislation/EO/toc.html
Defense Environmental Network Information Exchange	Overseas Environmental Baseline Guidance Document (OEBGD)	http://www.denix.osd.mil/denix/Public/Library/Intl/OEBGD/toc.html
DoD Measures of Merit and Metrics		
Defense Environmental Network Information Exchange	Pollution Prevention Measures of Merit	https://www.denix.osd.mil/denix/Public/ES-Programs/Pollution/Moms/p2mom.html

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Host Nation Requirements		
Bundesregierung (Federal Government)	Provides an online (html) version of federal laws. Click on "Umwelt" to access environmental laws.	http://www.bundesregierung.de/-/418/Gesetze.htm
UWS Umweltmanagement GmbH	IMA-E has facilitated access to this internet portal (password required: ask your EMD chief for access information) that provides the current version of environmental law, including EU, federal, state laws and directives, technical manuals and other guidance. A summary of changes, updates and new releases is accessible on the "Aktuell" page.	http://www.umwelt-online.de
Municipal / Community / Other Requirements		
City of Mannheim	List of municipal ordinances and by-laws	http://www.mannheim.de (Politik & Verwaltung => Stadtrecht)

5.4 ENVIRONMENTAL OBJECTIVES AND TARGETS

Environmental objectives and targets are goals that the Garrison sets for itself, usually over the long term, at each functional and organizational level. Some of the goals are determined by the Department of the Army as Measures of Merit (MoMs).

The Environmental Division sets environmental goals and objectives to implement the Garrison Environmental Policy, considering the military mission, applicable legal and other requirements, significant environmental aspects, and economic feasibility. The Cross-Functional Team (CFT) supports the Environmental Division in this effort. The P2 Manager provides environmental data that are initially defined in the P2 baseline inventory and is then continuously updated. The P2 Manager also provides assistance in the evaluation of the feasibility of individual goals. The status and possible changes of objectives and targets are reviewed and evaluated during the annual management review process.

Guidance on the establishment of objectives and targets are detailed in the Procedure for the Identification of Environmental Objectives and Targets and the Establishment of an Environmental Management Program (EMS 4.3.3).

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5.5 STRUCTURE AND RESPONSIBILITY

The Environmental Management System at the Garrison is "owned" by the Garrison Commander. The Commander holds the overall responsibility for the Environmental Management System, and delegates authority for executing the process to a designated EMS management representative (EMSMR). The Deputy Commander of the USAG Mannheim was appointed as the EMSMR. The Director, Public Works provides overall supervision and direction for the environmental program. The Chief, Environmental Division coordinates all activities concerning the Environmental Management System. EMS implementation at the Mannheim Garrison follows a "fence-to-fence" approach, starting at the DPW, expanding to the Garrison, selected Units and eventually to the entire installation, including all organizations, units, tenants and activities, according to the schedule illustrated in Figure 2.

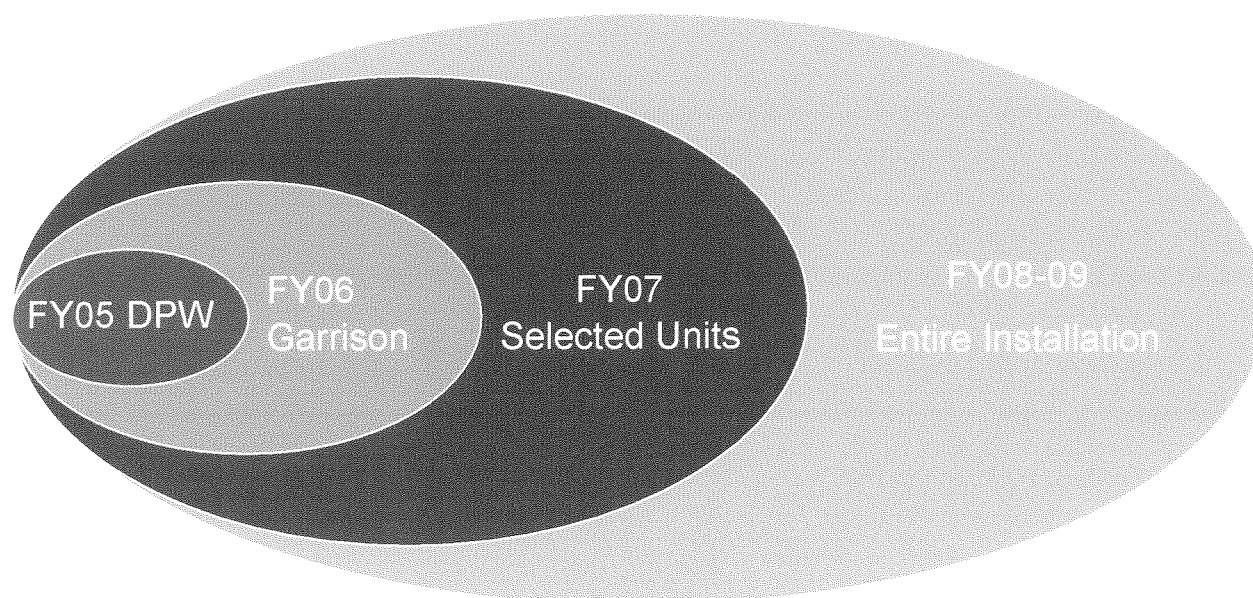


Figure 2: Fence-to-Fence implementation approach at the USAG Mannheim

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The USAG Mannheim's structure is shown in Fig. 3 below.

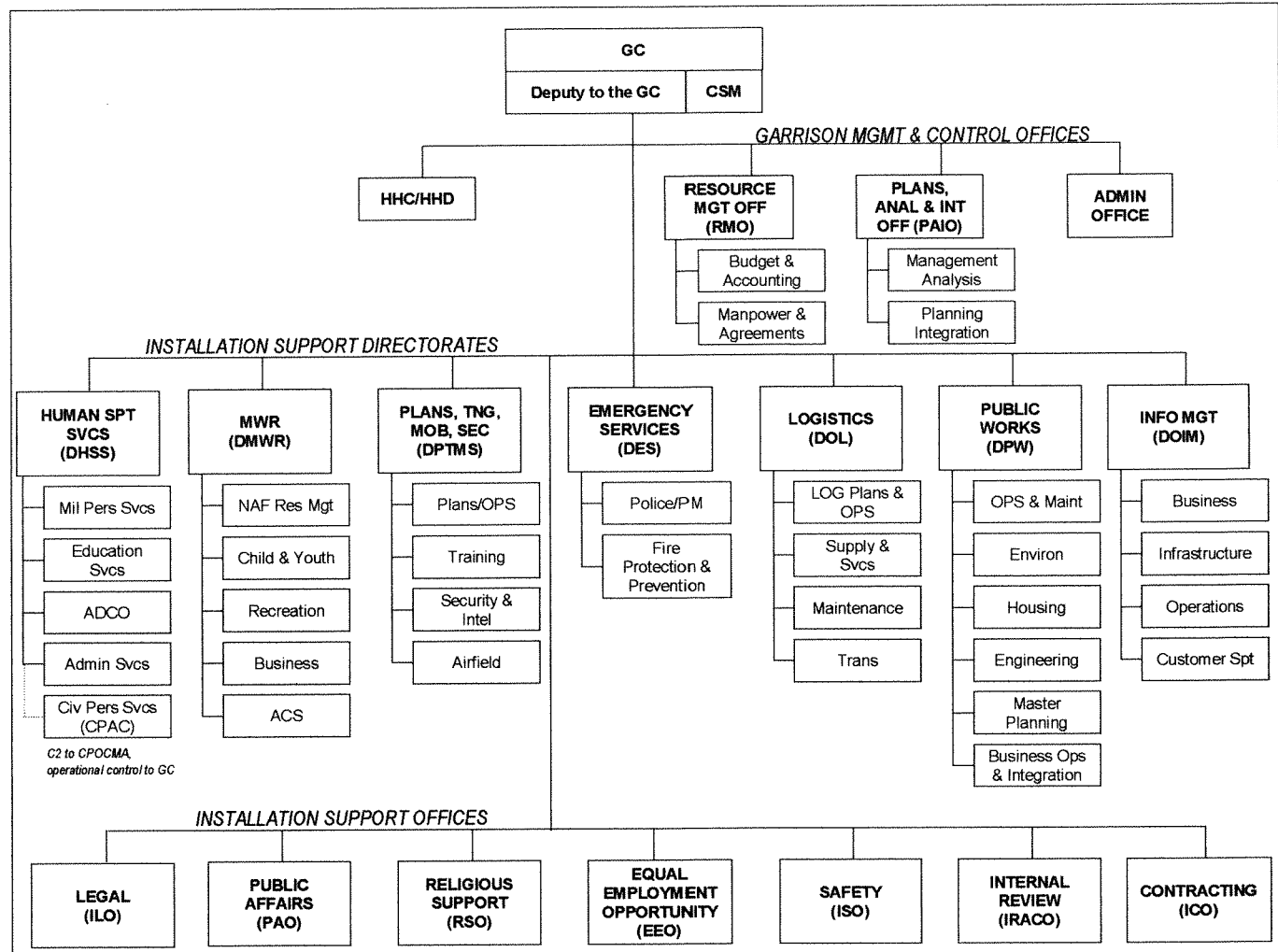


Figure 3: Organization Chart of the USAG Mannheim (Standard Garrison Organization)

The structure of the Directorate of Pubic Works is illustrated in Fig 4. The Directorate of Public Works is responsible for planning, directing, coordinating, providing staff supervision, and serving as the principal advisor to the Garrison Commander on all matters relating to engineering, maintenance and repair (M&R) of real property, fire prevention and emergency services, housing, environmental stewardship, fixed facility energy conservation, master planning and space utilization within the Garrison.

The Environmental Management Division plans, directs, implements, enforces, and supervises the community-wide environmental program, provides for the preparation and review of

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environmental assessment and impact studies and ensures that the community is in compliance with Final Governing Standards for Germany (FGS-G) and host nation environmental laws.

As the establishment and implementation of the Environmental Management System is a joint effort between all tactical and organizational organizations, a Cross-Functional Team (CFT) has been established to support the implementation from across the installation. The CFT's main responsibilities are advising, coordinating and facilitating the EMS implementation.

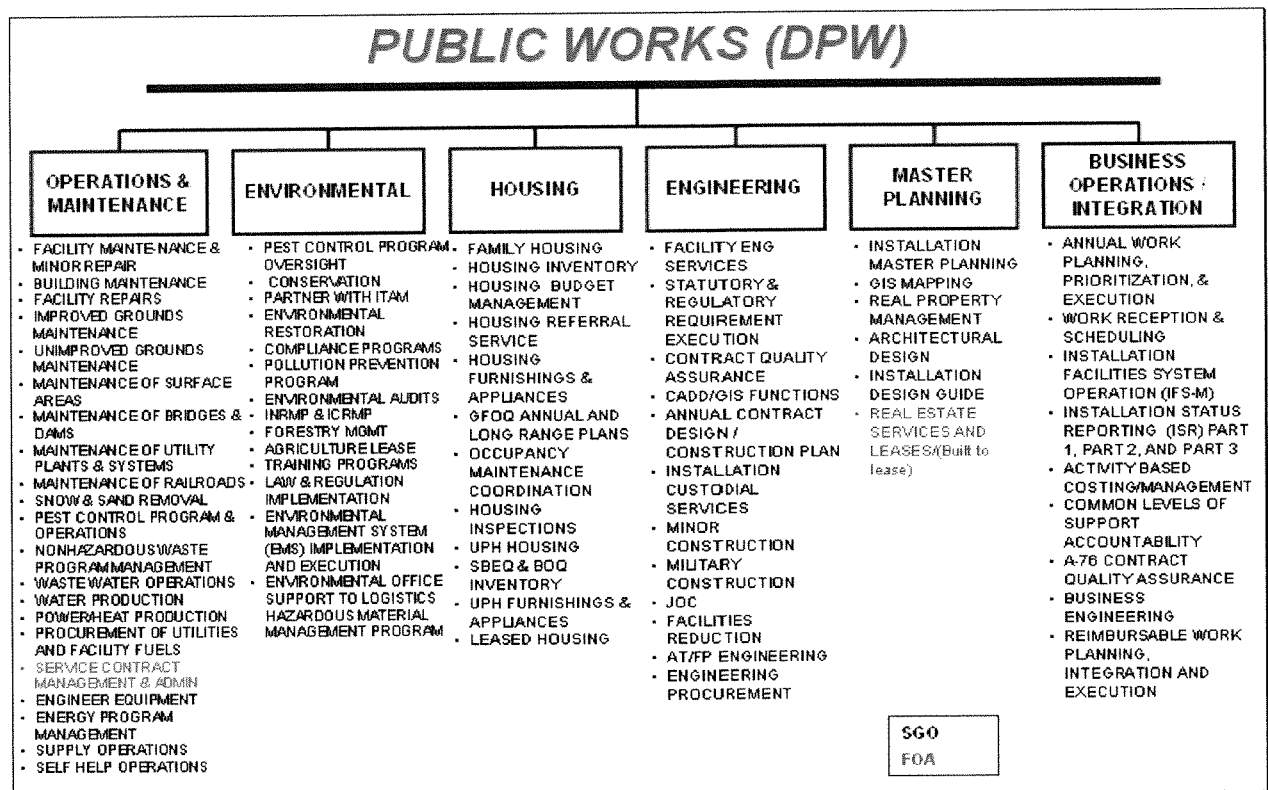


Figure 4: Organizational Chart for the DPW, USAG Mannheim

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The Directorate of Public Works is responsible for planning, directing, coordinating, providing staff supervision, and serving as the principal advisor to the Garrison Commander on all matters relating to engineering, maintenance and repair (M&R) of real property, fire prevention and emergency services, housing, environmental stewardship, fixed facility energy conservation, master planning and space utilization within the Garrison.

The Environmental Management Division is responsible for the oversight of the installation environmental assets. It ensures compliance with environmental policy, programs and legislation, manages the region Environmental Program in support of the Army's environmental strategy for pollution prevention, compliance, restoration and conservation (including recycling program), provides technical assistance to assigned installations, provides consultant assistance on environmental effects of all activities related to real property and installation management. As the establishment and implementation of the Environmental Management System is a joint effort between all tactical and organizational units, a Cross-Functional Team (CFT) has been established to support the implementation from across the installation. The CFT's main responsibilities are advising, coordinating and facilitating the EMS implementation.

A current list of subordinate units at the USAG Mannheim can be accessed through the Garrison Website.

The roles and responsibilities for EMS implementation can be found in the [EMS Roles and Responsibilities](#) document.

5.6 TRAINING, AWARENESS AND COMPETENCY

5.6.1 Awareness Training

The purpose of EMS awareness training is to create a basic awareness and understanding of EMS principles. It is performed regularly as described in the [Procedure for Conducting EMS Awareness Training](#). Training is tracked in the EMS training plan.

5.6.2 Competency-based Training

Technical competence is necessary for effective job performance and for prevention of pollution, prevention of accidents and the avoidance or minimization of adverse environmental impacts. Competence-based training is required for all personnel whose work activities can significantly impact the environment. Training is thus required but not limited to personnel working with hazardous waste/hazardous materials, asbestos, pesticides, contaminated soil, etc. The training schedule is generally performed in accordance with the host nation and DOD requirements for mandatory environmental and occupational health and safety training. Details can be found in the [Procedure for Conducting Competency Training](#).

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5.7 COMMUNICATION

Good communications are essential for coordinating the smooth execution of procedures and programs to fulfill the environmental policy and to achieve the objectives and targets. Environmental issues must be communicated effectively both internal and external. Both issues of internal and external communications as well as the pertaining responsibilities are addressed in the Procedure for Internal and External Communication.

5.7.1 Internal Communication

Internal communications procedures provide for the flow of essential environmental information relevant to the EMS and environmental "need-to-know" items. These communications assist in insuring that the needed information is available at each level to perform the required environmental functions.

5.7.2 External Communication

Procedures for external communications provide for managing information flow between the Garrison and external agencies. This includes

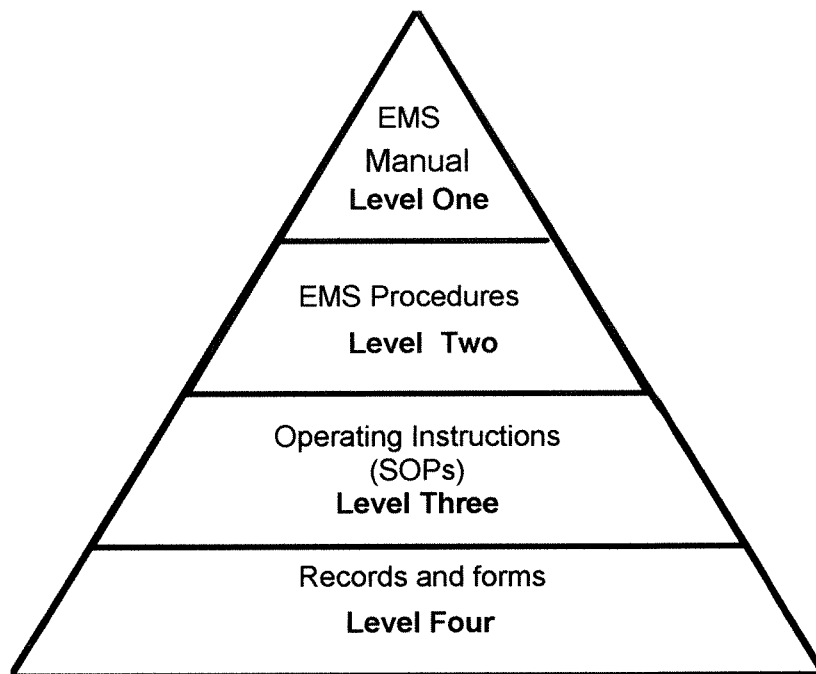
- information releases to the press / public,
- concerns, inquiries or complaints from the public or interested parties, and
- communication with German authorities concerning environmental issues.



5.8 EMS DOCUMENTATION

The EMS documentation provides a standardized structure for organizing garrison's policies, procedures, work instructions, and records.

The structure of the documentation is as follows:



This EMS manual (Level One) describes the core elements of the management system, including their interrelationships. The manual provides an overview of the EMS. It refers to, and cross-references, related documentation such as EMS Procedures, Standard Operating Procedures and Environmental Management Programs.

Level Two (EMS Procedures) detail specific EMS requirements and the roles, responsibilities and authorities to fulfill the requirements. As appropriate, Level Two procedures reference related documentation such as Environmental Management Programs and Level Three work instructions.

Level Three (operating instructions) or operational control procedures and related environmental requirements are documented and maintained within each Directorate / Division as appropriate.

Records (Level Four) support and facilitate the implementation of the EMS. Records provide historical, objective evidence that activities have been performed and requirements have been met.

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5.9 DOCUMENT CONTROL

Control, access and revision of EMS documentation ensures that each employee has up-to-date documents that are relevant to the employee's activities.

All documents and records that are required for the Garrison EMS must be controlled in accordance with the requirements from the ISO 14001:2004 (Section 4.4.5). The Garrison has decided to develop a database for the control of EMS documents and records. The following criteria are included in the document / record control filing system:

- Location,
- Revision date and number,
- Approval,
- Removal / identification of obsolete documents,
- Issue / revision date,
- Document ID code, and
- Required retention time.

Details on the control of documents and records are included in the [document control procedure](#).

5.10 OPERATIONAL CONTROL

Operational Controls ensure that Garrison activities and services comply with environmental regulatory and other requirements, and progress toward fulfilling its objectives and targets. The Garrison uses various means to provide operational control for processes and their potential environmental impacts. These include the Spill Prevention and Response Plan, Operational Control Procedures, SOPs, the Hazardous Waste Management plan, regulatory operating permits, and specific work instructions.

5.11 EMERGENCY PREPAREDNESS AND RESPONSE

Proper preparations for and responses to emergency situations minimize adverse environmental impacts in the event of an actual emergency. The Garrison maintains emergency preparedness and response procedures to:

- Identify potential for accidents and emergency situations.
- Respond to accidents and emergency situations.
- Prevent and mitigate the environmental impacts that may be associated with accidents and emergency situations.

The primary type of emergency with potential environmental impacts is a hazardous substance spill and/or release. Garrison personnel follows the emergency response procedures for hazardous substance spills and releases that are detailed in the Spill Prevention and Response Plan (SPRP). Details are described in the [emergency preparedness and response procedure](#).

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5.12 MONITORING AND MEASUREMENT

The Garrison has established and maintains procedures to monitor and measure the key characteristics of its operations and activities that can have a significant impact on the environment.

Most of the regular monitoring activities are performed by contract personnel, the local authorities or CHPPM. Examples of environmental monitoring include groundwater and drinking water sampling, spill occurrence, air emissions, and hazardous waste generated. Procedures for reporting of information for monitoring purposes are contained in Operating Control Procedures (see appendix) and Management Plans. The overall responsibilities and monitoring processes are described in the [procedure for monitoring and measurement](#).

The DPW does not maintain any inhouse measurement equipment that requires regular calibrating and maintenance. Requirements for contractors, e.g. for chlorine measurement or radon detection are contained in the pertaining contracts and Scopes of Work.

5.13 NON-CONFORMANCE, CORRECTIVE AND PREVENTIVE ACTION

Continuous improvement of the EMS requires that non-conformances are identified and effectively corrected through the accurate identification of root causes. Details are provided in the [procedure for non-conformances and preventive and corrective action](#).

The preventive and corrective action procedure defines the responsibility and authority for:

- Identification of the non-conformance,
- Taking action to mitigate any impact of the non-conformance or condition, and
- Initiating and completing corrective and preventive action.

Actual and potential non-conformances are identified in a number of ways, including employee observations, and internal and external audits. The non-conformances are documented, assigned for identification of root cause and corrective action, and tracked by the EMS Management Representative to final resolution. If the non-conformance is a Garrison-wide systemic problem, the EMS Management Representative will coordinate for a Division to take the lead for root cause determination and corrective action.

Corrective and preventive action resulting from the non-conformances may result in changes to documented procedures. The EMS Management Representative coordinates the recording and implementation of the changes.

5.14 RECORDS

EMS records provide objective evidence that environmental management in Garrison is being conducted as stated in the EMS. Records are controlled in the Document/Record Control and Filing System as described in the [Document Control Procedure](#). A [User's Guide](#) is also available to provide support in the document control database usage.

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5.15 EMS AUDIT

A procedure is maintained for periodic internal EMS audits. These audits determine whether the EMS:

- Conforms to planned arrangements for environmental management,
- Conforms to the requirements of ISO 14001, and
- Has been properly implemented and maintained.

Internal EMS audits are coordinated by the Environmental Management Division and performed by an audit team that consists of Environmental Management Staff and/or external staff. Results of the audits are recorded and maintained according to the Document Control Procedure. Any identified non-conformances are processed according to the Procedure for Non-conformances and Preventive and Corrective Action.

5.16 MANAGEMENT REVIEW

The EMS is reviewed at least annually to assess the continuous improvement process. The review is performed on Command Level during EQCC meetings. The EMS Coordinator reports data, including internal EMS audit data to the EMSMR who supports the Commander in the review.

This periodic system review will determine its continuing

- Suitability to the Garrison's mission, vision and culture.
- Adequacy in fulfilling policy and requirements of ISO 14001, and
- Effectiveness in managing and improving environmental performance.

The Management Review is performed according to the EMS Management Review Procedure.

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Appendix 1: EMS Documentation

The electronic version of this document contains hyperlinks for direct access to each EMS document.

ISO Chapter	Procedure Title	Date	Revision
4.2	SOP for the Review, Maintenance and Communication of the USAG Mannheim Environmental Management System Policy		
4.3.1	SOP for the Identification and Evaluation of Environmental Aspects and Impacts at the USAG Mannheim		
4.3.2	SOP for the Identification of Environmental Legal and Other Requirements at the USAG Mannheim		
4.3.2	SOP for the Availability of Permits, Licenses and Other Official Approvals at the USAG Mannheim		
4.3.2	Inventory of Legal and Other Requirements		
4.3.3	SOP for the Identification of Environmental Objectives and Targets and the Establishment of an Environmental Management Program at the USAG Mannheim		
4.4.1	EMS Roles and Responsibilities at the USAG Mannheim		
4.4.2	SOP for Conducting EMS Awareness Training		
4.4.2	SOP for Conducting Environmental Competency Training at the USAG Mannheim		
4.4.3	SOP for the Internal and External Communication of Environmental Information at the USAG Mannheim		
4.4.5	SOP for the Control of Environmental Documents and Records at the USAG Mannheim		
4.4.6	SOP for the Environmental Review in Project Planning at the USAG Mannheim		
4.4.7	EMS SOP for Emergency Preparedness and Response at the USAG Mannheim		
4.5.1	SOP for Environmental Monitoring and Measuring at the USAG Mannheim		
4.5.2	EMS SOP for Nonconformance and Preventive and Corrective Action at the USAG Mannheim		
4.5.4	SOP for the Performance of Internal EMS Audits at the USAG Mannheim		
4.6	SOP for the Performance of EMS Management Reviews at the USAG Mannheim		